

PATENT ABSTRACTS OF JAPAN

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(54) LUMINOUS INFORMATION DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To continue visibility by forming a retroreflective region and a luminous region on the surface of an information display body, and providing a light lighting system radiating the light in the wavelength region including ultraviolet rays continuously or intermittently to the surface of the information display body.

SOLUTION: An information display body 2 constituted of a plate-like body, a display sheet, and a protective sheet is fitted to a stanchion 1. A light lighting system 9 radiating the light in the wavelength region including ultraviolet rays continuously or intermittently is provided. Display sections 6, 6' and an outer edge section 8 are made a retroreflective region, and a background section 7 is made a luminous region. A luminous material included in the luminous region and gradually emitting the visible light with a peak at 450-550 nm when excited by the ultraviolet rays in the wavelength region of 310-400 nm is used, e.g. $\text{SrAl}_2\text{O}_4\text{:Eu}$, $\text{SrAl}_2\text{O}_4\text{:Eu,Dy}$. Excellent visibility can be continuously maintained at night.

